MEMORANDUM

State of Alaska

Department of Transportation and Public Facilities
Statewide Design and Engineering Services Division

TO: DISTRIBUTION

DATE: April 27, 2001

FILE NO:

TELEPHONE NO: 465-2948
FAX NUMBER: 465-2460
TEXT TELEPHONE: 465-3652

FROM: Michael L. Downing, P.E.
Chief Engineer

SUBJECT: Acceptable Guardrail End Terminals

The only guardrail end terminals currently approved for use on Alaska DOT&PF roads are the SRT-350 and ET-2000, each in a variety of configurations. From a maintenance standpoint, it is desirable to limit the number of configurations we use. The purpose of this memo is to list the configurations that are currently acceptable.

Each region should choose one version of the ET-2000 and one version of the SRT-350 and use them consistently. You should include special provisions in all projects that identify the manufacturer's drawings that guardrail end terminals are required to conform to.

Approved Drawings

Terminal	*Units*	*Drawing Number*	*Original Date*	*Latest Rev Date*	*Comments*
ET-2000:	Metric	SS 270M	8/24/99	none	15.2 m, 8 tube
	English	SS 270	8/24/99	none	50', 8 tube
	Metric	SS 154M	7/18/00	none	15.2 m, 8 tube, Plus head
	English	SS 154	5/18/00	none	50', 8 tube, Plus head
ET-2000 LET	Metric	SS 271M	8/26/99	none	11.4 m, 7 tube
	English	SS 271	8/24/99	none	37.5', 7 tube
	Metric	SS 155M	7/18/00	none	11.4 m, 7 tube, Plus head
	English	SS 155	5/18/00	none	37.5', 7 tube, Plus head
SRT-350:	Metric	SS 444M	7/12/99	none	11.4 m, 8 Post, 2 tube
	English	SS 444	5/21/99	7/12/99	37.5', 8 Post, 2 tube
	Metric	SS 351M	1/19/01	4/14/01	11.4 m Straight flare, 6 post, 2 HBA
	English	SS 351	12/12/00	4/14/01	37.5' Straight flare, 6 post, 2 HBA

Copies of the drawings are attached. I have also attached brochures from Trinity Industries describing the newer models as well as a brief explanation of their advantages written by Don Gripne, P.E., Trinity Industries representative.

A research project is currently under way to evaluate the crashworthy end terminals that are currently available. Please continue to use the terminals identified above until that study is completed.

Attachments

DISTRIBUTION:
Steven Horn, P.E., Preconstruction Engineer, Central Region D&ES
Pat Kemp, P.E., Preconstruction Engineer, Southeast Region D&ES
David McCaleb, P.E., Preconstruction Engineer, Northern Region D&ES

cc: Dave Bloom, P.E., Preliminary Engineering Chief, Northern Region D&ES
Gail Gardner, P.E., Traffic & Safety Engineer, Northern Region D&ES
Don Gripne, P.E., Trinity Industries Representative, 950 W. 400S, Centerville, UT 84014
Gary Hayden, P.E., Director, Construction, Maintenance & Operations, Southeast Region
Gary Hogins, P.E., Chief, Design & Construction Standards, HQ D&ES
Chris Kepler, P.E., Chief, Maintenance & Operations, Central Region
Jim Little, P.E., Director, Maintenance & Operations, Northern Region
Michael Lukshin, P.E., Traffic & Safety Engineer, Southeast Region D&ES
Ken Morton, P.E., Highway Design, Central Region D&ES
Chuck Norton, Vice President of Marketing, Trinity Industries, 950 W. 400S, Centerville, Utah 84014
Frank Richards, P.E., Statewide Maintenance Engineer, Headquarters
Kurt Smith, P.E., State Traffic Engineer, Design & Construction Standards, HQ D&ES
Scott Thomas, P.E., Traffic & Safety Engineer, Central Region D&ES
Mike Tooley, P.E., Highway Construction Chief, Central Region
Jim Weed, P.E., Construction Chief, Northern Region